

MODIS sensor Working Group (MsWG) Meeting Summary

December 19, 2007

Attendance: Bill Barnes, Vince Salomonson, Eric Vermote, Chris Moeller, Hongda Chen, Gary Toller, Junqiang Sun, James Kuyper, Zhengming Wan, Roy Yi, Jenn Dodd, Jack Xiong, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Terra forward update – 5.0.38.3 (12/07/07) – m1 & RVS

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Aqua SSR Anomaly – on 2007/336 (Dec. 2) a series of FOT operator errors led to SSR Partition#6 becoming write disabled at ~05:30 GMT. MODIS continued to function normally, but a delay in science data processing was caused by the delayed acquisition of Ground Based Attitude Determination (GBAD) data. A temporary ground-based fix was implemented on 2007/345 (Dec. 11) and data production has returned to normal. A permanent fix will be implemented in January after a more serious Aura hardware issue is resolved by FOT. The majority of MODIS data is expected to be recovered from the anomaly period. There are two possible data loss periods: 2007/336 00:42:30-01:07:53 and 02:35:36-05:41:33.
- Terra Science Formatting Equipment anomaly (also called a single-event upset) resulted in non-recoverable data loss 2007/347 13:11:17-20:30:11 (Dec. 13). Ninth incidence of this type of anomaly since launch.
 - o Chris asked if there is any pattern to these types of anomaly. Brian & Roy will compile the history and report any relevant findings.

Item 3: MCST recent activities

- MODIS Calibration Workshop
 - Jack has proposed holding a MCST workshop at the end of January
 - o Date: January 29 or 30:
 - o Time: 10:00AM - 4:00PM
 - o Location: MCST/GSFC at Aerospace Building (a few blocks from Goddard)
 - o Dial-in number and pass code will be provided for those who cannot make it in person
 - o Preliminary Agenda:
 - Instrument Status
 - L1B Algorithm and LUT Status
 - TEB & RSB Calibration and Trending
 - Challenges, Concerns, and Future Improvements
 - Input from Science Discipline representatives

Item 4: Around the Table

- N/A

Next Meeting: ~Jan 9, 2008